## INTERNATIONAL SEARCH REPORT

onal Application No PCT/EP2004/012889

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C01B33/02 C01B33/027

According to International Patent Classification (IPC) or to both national classification and IPC

### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 - C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, CHEM ABS Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
X	FR 2 591 412 A (AIR LIQUIDE) 12 June 1987 (1987-06-12) claims 1,5,6 page 1, lines 7-10 page 4, line 35 - page 5, line 21 page 6, lines 20-32	1-23
A	Y. LI, Y. LIANG, K XIAO, F ZHENG, Z HU: "Preparation of Ultrafine Si Powders from SiH4 by Laser-induced Gas Phase Reaction" JOURNAL OF MATERIALS SCIENCE AND TECHNOLOGY, vol. 11, 1995, pages 71-74, XP009042877 cited in the application the whole document	1-23

X Further documents are fisted in the continuation of box C.	Palent family members are listed in annex.
Special categories of cited documents:      A* document defining the general state of the art which is not considered to be of particular relevance.	'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
<ul> <li>*E* earlier document but published on or after the international filing date</li> <li>*L* document which may throw doubts on priority claim(s) or</li> </ul>	'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
which is cited to establish the publication date of another citation or other special reason (as specified)  'O' document referring to an oral disclosure, use, exhibition or	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-
Pr document published prior to the international filing date but later than the priority date claimed	ments, such combination being obvious to a person skilled in the art.  '&' document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
21 January 2005	21/02/2005
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer
NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Rhodes, K

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Claston of document, with indication, where appropriate, of the reference passages   Relevant to claim No.	C.(Continua	Ition) DOCUMENTS CONSIDERED TO BE RELEVANT		······································
SOO (KR)) 8 February 2001 (2001-02-08) figures 5,6 page 1, line 6 - page 3, line 7 page 8, lines 19-23  EP 0 214 489 A (HOECHST AG) 18 March 1987 (1987-03-18) column 2, lines 7-19 column 2, line 41 - column 3, line 7 examples  J. COSTA, G. SARDIN, J. CAMPMANY, E. BERTRAN: "Preparation of nanoscale amorphous silicon based powder in a square-wave-modulated rf plasma reactor" VACUUM, vol. 45, no. 10, November 1994 (1994-11), pages 1115-1117, XP002314414 cited in the application the whole document  H. WIGGERS, R. STARKE, P. ROTH: "Silicon Particle Formation by Pyrolysis of Silane in a Hot Wall Gasphase Reactor" CHEMICAL ENGINEERING AND TECHNOLOGY, vol. 24, no. 3, March 2001 (2001-03), pages 261-264, XP002314415 cited in the application the whole document  EP 0 680 384 A (UNITED SOLAR SYSTEMS CORP) 8 November 1995 (1995-11-08) cited in the application claim 1	Category *	Citation of document, with Indication, where appropriate, of the relevant passages		Relevant to claim No.
18 March 1987 (1987-03-18) column 2, lines 7-19 column 2, line 41 - column 3, line 7 examples  J. COSTA, G. SARDIN, J. CAMPMANY, E. BERTRAN: "Preparation of nanoscale amorphous silicon based powder in a square-wave-modulated rf plasma reactor" VACUUM, vol. 45, no. 10, November 1994 (1994-11), pages 1115-1117, XP002314414 cited in the application the whole document  H. WIGGERS, R. STARKE, P. ROTH: "Silicon particle Formation by Pyrolysis of Silane in a Hot Wall Gasphase Reactor" CHEMICAL ENGINEERING AND TECHNOLOGY, vol. 24, no. 3, March 2001 (2001-03), pages 261-264, XP002314415 cited in the application the whole document  EP 0 680 384 A (UNITED SOLAR SYSTEMS CORP) 8 November 1995 (1995-11-08) cited in the application claim 1		SOO (KR)) 8 February 2001 (2001-02-08) figures 5,6 page 1, line 6 - page 3, line 7		1-23
BERTRAN: "Preparation of nanoscale amorphous silicon based powder in a square—wave—modulated rf plasma reactor" VACUUM, vol. 45, no. 10, November 1994 (1994—11), pages 1115—1117, XP002314414 cited in the application the whole document  H. WIGGERS, R. STARKE, P. ROTH: "Silicon particle Formation by Pyrolysis of Silane in a Hot Wall Gasphase Reactor" CHEMICAL ENGINEERING AND TECHNOLOGY, vol. 24, no. 3, March 2001 (2001—03), pages 261—264, XP002314415 cited in the application the whole document  EP 0 680 384 A (UNITED SOLAR SYSTEMS CORP) 1—23 8 November 1995 (1995—11—08) cited in the application claim 1		18 March 1987 (1987-03-18) column 2, lines 7-19 column 2, line 41 - column 3, line 7		1-23
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Information on patent family members

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